



OSCILLATOR

Volume 23 Number 2

Club Plans To Offer Scholarship

Pending final budget approval by the board, the Oregon Tualatin Valley Amateur Radio Club plans to offer a scholarship again in 2000. The OTVARC scholarship is awarded to a licensed amateur radio operator who is a new or returning college student from the counties of Washington, Multnomah, Clackamas, or Yamhill.

The successful recipient must have grade point average of at

least 3.0. This person will be a well-rounded student involved in school and community activities. The deadline for applications is 31 Mar 2000.

Your club encourages growth and improvement in amateur radio ranks. More details and an application form can be obtained from Carl WS7L at 629-5796, ws7l@arrl.net, or check the Club Website at www.otvarc.org.

Next Meeting — Wednesday, February 9th

**Dxing What fun it can be!
Come and bring your most
unusual QSL card.**

Russ Fillinger, W7LXR, will give us a presentation on the DX Bureau and handling QSL cards. Did you ever wonder how the bureau keeps track of all those cards? This presentation will take you *inside* so you'll know how its done.

Prexy's Prose — J.D. Fort "studying...my General Class exam..."

Whoa! Nearly didn't find time to produce the once-a-month ramblings you'll come to know and love! I have been frantically studying away on my General Class written exam. Hopefully, by the time you read this, I will be all set for General privileges. And you know what?

(See Prexy, page 4)

The Oregon Tualatin Valley Amateur Radio Club welcomes new-comers and new hams. You are the one who introduces those new to our hobby to an Amateur Radio service club.

Come at 6:00 pm and join us in a no-host dinner from The Beaverton Elks Club buffet. Good food and a chance to become better acquainted with other members of our club.

February 2000

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- ♦ "...their parents might become involved with ham radio...", Janet Bell
- ♦ "All You Ever Wanted to Know about antenna siting," Friday Workshop at SEAPAC

Restructuring and the Volunteer Examiner program, by Carl WS7L

A good summary of the implications for existing and new licensees is found at <http://www.arrl.org/news/restructuring/faq.html>.

There are still many questions regarding how the restructuring will affect the VE program. At this writing the VEs have not received new instructions.

The national VEC council plans to publish new question pools on 1 February, and I expect test materials will be available in plenty of time for exam sessions after 15 April.

I expect a lot of test activity in the next few months. There seem to be quite a few hams who want to earn a General, Advanced, or Extra license before 15 April. After all that work getting their code speed up, they want something to show for it! There will also be a

lot of activity after the 15th of April as people come in to upgrade their licenses.

There have been many questions about people holding existing credit or partial credit for elements under the current system. Rather than detail that information here, I'll refer you to the web site mentioned above. I can summarize by saying that the transition is being done fairly and that no one should expect to lose any credit they hold that would have been valid under the old system as long as that credit corresponds to a complete exam element in the new system.

I will be happy to answer questions. If you do not have access to the Web site or if you have questions that don't seem to be addressed by the material there. Call 629-5796 or write to ws7l@arrl.net.

ARRL/VEC Amateur Radio License Examinations, 2000, by Carl, WS7L

The Oregon Tualatin Valley Amateur Radio Club will sponsor six testing sessions in 2000. The schedule for these sessions is:

5 February	5 August
1 April	7 October
19 April	2 December

These dates are Saturdays. The Test Session begins at 1:00 pm at the Hillsboro Fire Department Ronler Acres Station, 4455 NW 229th, Hillsboro.

All exam elements are administered at each Test Session. The test reimbursement fee for 2000 is \$6.65. Please bring a check or money order payable to ARRL/VEC.

All applicants must bring a photo ID. In addition, applicants upgrading must bring the original AND a copy of their current license and the original AND a copy of any CSCE that will apply to the upgrade.

Please contact Carl Clawson, WS7L, 629-5796, ws7l@arrl.net, to preregister.

These Test Sessions are sponsored by Oregon Tualatin Valley Amateur Radio Club, a Special Service Club of the American Radio Relay League, the national association for Amateur Radio.

We have scheduled **"No-Code Tech" Classes** for those wish to obtain their first amateur radio license. These sessions will be held on Saturdays, on February 12, 19, 26 from 1-4 pm at Tualatin Valley Fire & Rescue. If you know of anyone who might be interested, please have them call Janet Bell, WB7FJC at 503-642-0369, 7:30 am to 3:30 pm or 648-4147 evenings. Janet can be reached by email at belljn@tvfr.com.

ARRL Officer Elections Set Musical Chairs in Motion

Officer elections at the January ARRL Board of Directors meeting generated a ripple effect of vacancies within the ARRL hierarchy. The elevation of West Gulf Director Jim Haynie, W5JBP, to the League presidency set off a game of musical chairs that saw Vice Director Coy Day, N5OK, accede to the director's slot, creating a vacancy in the West Gulf Vice Director's chair.

Haynie has appointed Dr David A. Woolweaver, K5RAV, of Harlingen, Texas, to be the new Vice Director. He filled vice directors' openings in the Atlantic and Roanoke divisions from within the section manager ranks. In the Atlantic

Division, Director Kay Craigie, WT3P, was elected a Vice President, and Vice Director Bernie Fuller, N3EFN, moved up to Director.

Western Pennsylvania SM Bill Edgar, N3LLR, has been appointed as the new Atlantic Vice Director. In the Roanoke Division, Director John Kanode, N4MM, was elected a Vice President, and his second-in-command, Dennis Bodson, W4PWF, moved into the top slot.

South Carolina SM Leslie Shattuck Sr., K4NK, has been tapped to replace Bodson as Roanoke Vice Director.

Three Amateur Radio Satellites Rocket Into Space

An Air Force Minotaur rocket lifted off right on schedule on January 26th from the new California Commercial Spaceport at Vandenberg Air Force Base. Three Amateur Radio satellite packages were aboard. Two of the satellites already have been deployed and are said to be working. A third amateur picosat package was deployed over the next several days.

The primary payload is the US Air Force Academy's Falconsat. JAWSAT--Joint Air Force-Weber State University Satellite--served as a bus for several deployable payloads and the Plasma Experiment Satellite Test experiment--PEST. The telemetry stream from JAWSAT, including data from PEST, will be transmitted on Amateur Radio frequencies. Amateur Radio operators have been invited to contribute to the program by recording the downlinked data. Data from PEST will require using either a G3RUH modem or a GMSK Modem. Data rates should be as high as 38.4 kb/s. Data will be transmitted on 437.175 MHz or 2403.2 MHz. NASA says it will publish instructions for sending in data so the PEST team can use it..

Deployable payloads aboard JAWSAT are Stanford University's Orbiting Picosat Automatic Launcher--or OPAL: Arizona State University's ASUSat, and the Air Force Research Lab's Optical Calibration Sphere.

Hank Heidt, N4AFL, of the StenSat team said today that both JAWSAT and ASUSat appear to be working perfectly at this time, with telemetry indicating that all systems are reporting nominal performance. StenSat, which is a satellite within another satellite--OPAL--is set to be put into space this weekend, Heidt said.

ASUSat and JAWSAT have Amateur Radio capability, but the tiny, eight-ounce StenSat is strictly a ham satellite--designed by hams, for hams. It was developed by a group of amateur enthusiasts in the Washington, DC, area as part of Stanford University's OPAL project.

StenSat will operate as a single-channel Mode J FM voice repeater. The uplink frequency will be 145.84 MHz: the downlink will be 436.625 MHz. StenSat will periodically transmit 1200 baud AX.25 for telemetry. Additionally, amateur radio operators will be able to "ping" the satellite by transmitting a six-digit DTMF command to the receiver uplink. More information on StenSat is available at <http://users.erols.com/hheidt/>. ASUSat will contain amateur packet hardware and a 2-meter/70-cm FM voice repeater. SUSat1 is an ASU NASA Space Grant project and Arizona State University's first student-designed satellite. Information on ASUSat is available at <http://nasa.asu.edu/asusat/>.

Prexy, from cover

My new found zeal at studying the radio theory and questions is related directly to the FCC's license restructuring. I am spending a couple of hours every day learning about amateur bands that I never dreamed of being able to use.

It's reminiscent of days gone by when I would wander into a drug store and come across a two month old, dusty copy of QST or 73 magazine. I would slowly, enviously, savor every page. During those pre-No-Code-Tech years I figured becoming a Ham, with two kids in the house, would pretty much stay my little private daydream.

PREXY, more

I had to have more privileges. I set up to take Burt Rooke's (N7OW) class through PCC, and spent the next month and a half-listening to all of those dits and dahs. Burt kept preaching persistence. I kept getting frustrated.

After a nervous night in a Sunset High School classroom. I passed a 5 word per minute code exam! You guessed it. The "unmitigated little kid joy" took over on the drive home. So much so that I stopped and bought myself a taco!

So, as you can probably understand by now, I am addicted to this unmitigated

Several years later, Byron Swanson (W7SYJ), then Chief Engineer for KEX Radio, happened to mention to me about the no-code tech. (He often tolerated my lunch time forays into the Engineering shop.) He encouraged me, and a month later I was doing the kid-on-Christmas-Eve-trying-to-get-to-sleep gyration waiting for that ticket to show up in the mail.

It finally came, I jumped about three feet in the air, (quite the feat for a gravitationally challenged fellow like myself) and immediately got on the 3-2 machine, trying to contact one of my other Elmers, Bill Merwin (K7BKS).

joy thing. You see, I am not a test taker. They freak me out! But every time I have worked hard to upgrade. The self esteem improves. I smile and I get to have fun with this miracle of a hobby we are privileged to play around with. I could not have done this without that first no-code tech ticket.

Maybe I am an exception. But I feel there are a lot of us that have come into the hobby on the heels of the relaxed code requirements. Now with the single code requirement there will be many more just like me that see a hope of gaining privileges and enjoying the hobby.

The thrill tapered some but still I wanted more! After a couple of years on the VHF-UHF bands I definitely desired to move lower.

There was all the talk from the Hams I was meeting about the "good ole days" of past sun cycles. They would reminisce about talking to lower Slobovia on ten meters with a micro watt and getting signal reports of ten over s9, while their rig was loaded into a pop can. (You know how these stories go....sort of like your parents explaining how they had to walk, uphill, six miles in the snow to get to school.) That did it....no matter what.

Just a few nights ago I heard several people discussing a simplex code practice session on one of the local repeaters. I can't speak for all of them, but I bet most would never be striving to learn code and expand their understanding of the radio art were it not for the recent license restructuring.

Sure the bands could become more crowded. And yes, there will be many of us stumbling around on 20 meters trying to understand the protocol. Just remember. Occupied territory is much easier to defend. The more of us that use our privileges the tougher it will be for regulators to reassign them.

LUNCH BUNCH, Harold WA0BRU

For February we go Italian as we journey to Izzy's in the Beaverton town center, at 11900 SW Broadway, Beaverton.

Pizza, salad bar, and buffet of pasta, chicken, and other menu items to fill a plate. Now that you know the what, and where for February's lunch Bunch. You can mark your calendars Saturday, 2-12-2000 at 1:30pm. Talk in on the 146.90 Mhz repeater.

TRAVELERS

The February Outing will be held at **MULKEY RV PARK** west of McMinnville. We'll use February 18-19.

The big attraction will be the Year 2000 Salem Ham Fair at Rickreall on Saturday. We will have the usual fabulous pot luck at the recreation hall on Saturday evening.

For reservations or information call: Bob, WF7Q or Jo, KA7MIE at 503-472-2716.

5th Wednesday Contest

The last event of the old millennium for OTVARC was the December 29th Fifth Wednesday Contest. The first Fifth Wednesday in the new millennium will be March 29th. The contest allows interaction with amateurs around the metropolitan area. Using Simplex (147.54 MHz) the contest demonstrates capability between various Zip Codes. The March *Oscillator* will carry entry information.

Tour Of An Amateur Radio Station Needed by Janet, WB7FJC

Mary Suit from Glencoe High in Hillsboro, called me today and would like to arrange a tour of an amateur radio station for her students in Special Needs classes.

These students are high functioning, but probably not able to get a Ham license. It would be helpful

to expose them to amateur radio as an activity. Their parents might become involved with ham radio and let them operate in some way. Mary's phone number is 503-640-8971 Mailbox 5638, or contact Janet, WB7FJC 503-642-0369, 7:30 am to 3:30 pm. or lljn@tvfr.com

BORSCH ELECTRONICS

Communications Servicing

9935 SW Johnson Street
Tigard OR 97223

Joe Borsch W7PNS

503-684-5201

Hamfests And Conventions

19 February 2000

Salem Hamfair

Polk County Fairground at Rickreall. Evan, N7IFJ at 503-585-5924, or n7ifj@teleport.com. See members/xoom.com/kb7cw/sra/index.html.

11 March 2000

Mike & Key ARC - Puyallup, Washington

Michael Dinkelman, N7WA
22222 148th Avenue SE
Kent, WA 98042
253-631-3756, 425-867-4797
email: mwdink@eskimo.com

8 April 2000

Lilac City ARC

Warren Kelsey, KJ7BB
1405 South Crestline
Spokane, WA 99203
509-534-8443

Methanol Batteries, Reuters

Motorola researchers and scientists at the Los Alamos National Laboratory are working on a new mini-battery for wireless devices.

The fuel cell, which uses methanol as the power source, reportedly will last 10 times longer than batteries used today.

Consumers will have to wait for at least three years to see

them in stores.

The battery will be packaged in a see-through tube, so users can check their battery supply at any given time.

The cost of the methanol batteries should be in line with current power supplies, Motorola says.

There may be a mix of alcohol and amateur radio after all.

Hedy Lamarr, SK

Hedy Lamarr, the sultry, sexy screen star of the 1930s and 1940s who so conceived the frequency-hopping technique now known as spread spectrum, has died. Lamarr was found dead in her suburban Orlando, Florida, home January 19. She was believed to be 86.

Born Hedwig Kiesler in Austria, Lamarr came to the US in 1937 after being signed by MGM. In her 1992 book *Feminine Ingenuity*, Lamarr described how she came up with the idea of a signaling device for radio-controlled torpedoes that would minimize the danger of detection or jamming by randomly shifting the frequency. She received a patent for it in 1942.

SEAPAC 2000

SEAPAC 2000, The Northwest Division Ham Convention, June 3rd and 4th at Seaside.

General information about SEAPAC 2000 can be obtained from Randy, KZ7T, 503-297-1175 or kz7t@arrl.org.

See www.seapac.org, the SEAPAC Homepage.

FRIDAY WORKSHOPS – 12:30 to 5:00 PM

"All You Ever Wanted To Know About Tower/Antenna Siting"

For attorneys, engineers and hams who need more information on the legal aspects of siting antenna towers. Chris Imlan, ARRL General Counsel, Phil Kane, Attorney and Professional Engineer, and Greg Milnes.

"Wave Propagation and Transmission Line Workshop and Clinic"

Marshall Johnson takes the mystery out of a critical subject for all amateur radio operators. Limited to the first 100 registrants, \$10 in advance and \$12 at the door. Closes May 25, 2000.

Don't target Riley with restructuring comments

If you've got a comment, complaint or question about the recently announced FCC restructuring, FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth asks that you don't include him as a target or recipient. His Department, the Enforcement Bureau, was not involved with the restructuring Report, and he said it would not be proper for him to address specific questions or comments on the issue. Hollingsworth says he's been getting a lot of comments on the restructuring issue, but because the R&O came out of the FCC's Wireless Telecommunications Bureau, it's impolitic for him to comment.

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No Longer N0CALL, by Julie KD7GQW

It all started with a proposal of marriage, written on the back of a cigar band that had been stuffed into a fortune cookie and delivered in a *Japanese* restaurant on Christmas eve.

The challenge of getting one over on the other began.

Harold has been a ham since 1962 and has been involved in several community service functions. My first exposure to these activities was a hamfest. We helped with the Dam to Dam run, the Iowa State Fair Parade, Operation Santa Claus and we didn't stop there. In Oregon we did Walktoberfest, Bridge Peddle, MS150 Bike Ride, SEAPAC, and more.

For Christmas two years ago I was given a copy of "Now You're Talking." Now why would I get that? I said, "If I can figure out what I did with it when we moved, I guess I could study, if I had time." He didn't know I was studying while I rode the bus to and from work. I hid the book in my underwear drawer, or in the tote bag I carried to work. He never suspected a thing!

After several delays, a few small lies about going someplace with my daughter, I finally passed the Novice exam on October 3, 1998. I was so excited I forgot my jacket. Carl passed my jacket off to Betty. We went out to dinner one evening...she came with a coat and I left with one. He didn't notice!

Everytime a class was mentioned at the OTVARC meeting I would get this look and a smile. My reply was, "darn, you know how busy we were that weekend."

The video tapes and the book used in the classes were passed between Janet Bell, Sharon Kennedy and myself at meetings or at the job. I hid them under the Futon. I listened for the alarm of his truck to signal that he was home and dash around switching tapes in the VCR... hiding everything before he could make it up the stairs. He had no clue!

Several VE Test Sessions came and went. Some I made it to, but didn't pass by one wrong

answer. On a service call to Bend, I hid to book in the bottom of the suitcase so while he was on site working I could stay at the hotel and study. I had to pass this one.

I went to the October 2, 1999 VE Session. The Certificate was only good for one year and was due to expire the next day. I'm not sure who was more excited when the results came in that I had finally passed the Tech portion for my license, Carl or me.

We watched for my call sign which came in on Tuesday before the October OTVARC meeting. Betty let me know what my call was. The final step was the surprise at the meeting when Betty, with great finesse, asked! the Club to help her identify KD7GQW. While cameras were ready, I hesitated a moment, and slowly stood up. "That's mine." He had no clue that I had been trying to get my license for over a year and that I had the support and encouragement from the entire club.

Club Notes...

I want to thank you and the club for the nice plant they all sent to me. It is very pretty and we just set it right up here in the living room for all to see.

I enjoyed the sunrise over Mt. Hood from the big house down there but I want to say it isn't worth the going under the knife just for the view. Thank everyone again.

Jack, KA7HOJ

Mini-biographies of Amateur Radio Operators

QRZ.com says it now has more than 14,000 mini-biographies of Amateur Radio operators on-line along with its call sign database, with dozens of new listings arriving daily. QRZ.com says it is now possible to instantly search through the entire collection of biographies to find other hams with similar interests,

backgrounds or other hobbies. Any combination of keywords may be searched.

Check it out at <http://www.qrz.com/biosearch.html>

Fred Lloyd, AA7BQ

COMMUNICATIONS QUARTERLY

The ARRL will continue to publish the Amateur Radio technical journal Communications Quarterly merged with the League's technical journal QEX. The change becomes effective for subscribers starting with the March/April issue of QEX. The new combined publication initially will serve a joint readership of more than 7000. The magazine will bear the legend, "QEX, incorporating Communications Quarterly."

ARRL Executive Vice President Dave Sumner, K1ZZ, said the League is Pleased to have the opportunity to demonstrate its ongoing commitment to Technical excellence in Amateur Radio through the combined publication. Merging Communications Quarterly into QEX provides a rare synergistic opportunity to turn two good publications into one that's even better," he said.

The purchase arrangement

followed extensive discussions with Communications Quarterly publisher Dick Ross, K2MGA. The purchase price was not disclosed.

Published for the past nine years under the editorship of Terry Northup Littlefield, KA1STC, Communications Quarterly has billed itself as "the philosophical successor of Ham Radio magazine." Littlefield was Ham Radio's editor when CQ purchased the magazine in 1990.

PUBLIC AREA VE TESTING SITES by Ev W6ABM

Oregon Tualatin Valley Amateur Radio Club, Carl, WS7L, at 629-5796. The next test session will be Saturday, 5 February at 1:00 pm, in the Ronler Acres Fire Building.

Phantom Amateur Radio Club, Second and Fourth Sunday of each month. John, KA0SSF, at 503-626-7399.

McMinnville Amateur Radio Club Monthly on Wednesday evenings Mike Jones, AB7OE, at 503-864-3291

Clark County Amateur Radio Club Next Test Session is 19 February. At the Salmon Creek American Legion, Vancouver, WA. Test sessions begin at 10 am 360-896-8909 (press 3)

SEAPAC Test Session. See the SEAPAC brochure for time and reservation information...or www.seapac.org.

If you know about a Test Session or regular schedule of Sessions, contact the editor at ecurry@teleport.com

ARRL Seeks Partial Reconsideration of Restructuring

The ARRL will seek partial reconsideration in the Amateur Radio license restructuring plan announced by the FCC December 30. The concern involves the way the plan deals with Technician-class licensees. The new FCC rules go into effect April 15.

The League will ask the FCC to

continue to maintain records that indicate whether a Technician licensee has passed a Morse code exam to earn Novice/Tech Plus HF privileges.

Under the current system, the license class of Technicians is designated by a "T" in the FCC's amateur database, and of Tech Plus licensees by a "P." Under

the FCC's restructuring plan, Technician and Tech Plus licensees will all be known simply as "Technician." "We're going to try to persuade the FCC that it made a drastic error in deciding to change all those Ps back to Ts in the database," said ARRL Executive Vice President David Sumner, K1ZZ.

Club Contact Directory

Club Information

OTVARC Executive Board

President	J.D. Fort	K7JDF	503-259-0269
Vice President	Janet Bell	WB7FJC	503-648-4147
Secretary	Mike McDonald	KC7YSW	503-692-5893
Treasurer	Linda Sutton	KC7YTD	503-246-8879
Trustee	Jack Smithson	KA7HOJ	503-646-1873
Trustee	Will Sheffield	N7THL	503-642-7314
Trustee	Jim Blanchard	W7HOW	503-579-0248
Trustee	Alvin Carlson	KB7VHI	503-629-5728
Trustee	Julia Landers	KD7GQW	503-646-1546

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	503-472-2716
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	OPEN		
Equipment Loan	Stan Griffiths	W7NI	503-649-0837
Equipment Valuation	Randy Stimson	KZ7T	503-297-1175
Equipment Trustee	Al Berg	W7SIC	503-640-5456
Emergency Services	J.D. Fort	K7JDF	503-259-0269
Field Day Coordinator	Harold Landers	WA0BRU	503-646-1546
	Jack Smithson	KA7HOJ	503-646-1873
Health & Welfare	Linda Sutton	KC7YTD	503-246-8879
Historian	Al Berg	W7SIC	503-640-5456
Internet Home Page	Mike Boyd	N7DKQ	503-640-6041
Member Badges	Carl Clawson	WS7L	503-629-5796
Newsletter Editor	Everett Curry	W6ABM	503-681-2345
Newsletter Distribution	Al Berg	W7SIC	503-640-5456
Nominating Committee	OPEN		
Packet - Club BBS	Rick Braun	KB7OGD	503-645-1490
Project Night	Alan Chinnock	KB7POR	503-636-2237
	OPEN		
Public Relations	J.D. Fort	K7JDF	503-259-0269
Public Service	Randy Stimson	KZ7T	503-297-1175
Repeater	Wes Allen	K7WWG	503-649-3295
RFI & TVI	Dale Mosby	K7FW	503-640-0217
Satellites	OPEN		
Scholarship	Carl Clawson	WS7L	503-629-5796
Sea-Pac	Al Berg	W7SIC	503-640-5456
	Brad Beach	N7NYG	503-657-1781
	Jim Schaeffer	KB7VHI	503-245-2518
	Randy Stimson	KZ7T	503-297-1175
	Will Sheffield	N7THL	503-642-7314
Station Trustee	Hamford Van Ness	KB7BB	503-246-7975
Social	Harold Landers	WA0BRU	503-646-1546
Technical Specialist	Stan Griffiths	W7NI	503-649-0837
Tower Ordinances	Greg Milnes	W7OZ	503-648-6990
Trailer	Dee Lynch	K7JRB	541-745-1025
Training(code)	Burt Rooke(PCC)	N7OW	503-241-2891
Training(Novice/Tech)	Jim Mockley	AB7XD	503-629-9354
Training(upgrade)	OPEN		
Travelers	Betty Mickley	N7REX	503-642-1284
VE Test Coordinator	Carl Clawson	KS7L	503-629-5796
VHF/UHF	Arnold Jensen	N7YAG	503-543-3713

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective and established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, our intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during events & community activities.
3. Emergency communications in emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits when you join or renew your membership in the ARRL through the club. Contact the treasurer at any regular meeting.

Newsletter: The OTVARC Oscillator is the club newsletter. It is published monthly and mailed on the first of the month. Opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff. Editor's E-mail: ecurry@teleport.com. March 2000 OSCILLATOR deadline is Tuesday, February 21st.

Internet Home Page: WWW.OTVARC.ORG

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. Display ads run for six months at a time, from January through June and July through December. Ads are paid for in advance. Rates are:

Full page	8" X 10"	\$200 for six months
Half page	8" X 5"	\$120 for six months
Qtr page	4" X 5"	\$72 for six months
Bus.Card	2" X 3"	\$36 for six months

Meetings: We have two meetings per month. The Board meeting is on the fourth Wednesday of each month. Club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge. 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7 PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues schedule.

How to join: Mail the Membership application and/or renewal form with your dues to the Club address.

WORLDWIDE DISTRIBUTION



Rich KK7PL
Manager

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OTVARC

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Amateur Radio Club**

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Remember
Club Meeting: Feb. 9th

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